

**FUEL GAS BOOSTER COMPRESSOR
AND BLOWER PACKAGES**

PRODUCT RANGE

- 5 – 750 HP
- Discharge Pressures from 2 – 1200 PSIG
- Rotary and Reciprocating Compressor Packages
- Low Pressure Gas Blowers
- All Electrical Classifications

When you need to boost the fuel supply pressure to your gas turbine, natural gas generator, burner or other gas-fueled equipment, look to Applied Compression for North American's widest range of products including both rotary or reciprocating compressors and low-pressure blowers.

At Applied Compression we recognize that specifications vary widely, and that time is of the essence. With this in mind, we have developed a complete range of fuel gas boosters that allows us to easily match a unit to your specifications and budget.

These packages are available with a locally mounted and pre-wired control panel or with the end devices wired to a junction box for control by a main plant PLC.

Also available are variable speed drive control systems that evenly match gas compression volumes to fuel demand. In period of low demand, the VFD reduces the gas flow rate by reducing the drive speed. This reduction in drive speed saves power and trims operating costs.

Each motor/compressor combination is available as a simple skid-mounted unit or housed in a weather-proof enclosure or walk-in style building.

VECTOR 6000 SERIES: ENCAPSULATED ROTARY SCREW FUEL GAS BOOSTERS

- Horsepower: 5 – 100 HP
- Max. Discharge Pressure: 200 PSIG

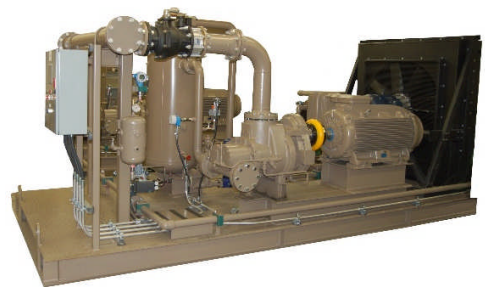
Our Vector 6000 Series offers a compact cost-effective rotary screw compressor package utilizing a unique encapsulated unit that incorporates the compressor, oil/gas separator, oil reservoir and oil filter into one unitized module.



VECTOR 6200 SERIES: SINGLE STAGE ROTARY SCREW FUEL GAS BOOSTERS

- Horsepower: 40 – 750 HP
- Max. Discharge Pressure: 300 PSIG

The Vector 6200 Series is our premium single stage rotary screw gas compressor package and is designed specifically for applications requiring a high level of control and where an electronic interface is required between the control valves and the compressor control panel.



VECTOR 6400 SERIES: TWO-STAGE ROTARY SCREW FUEL GAS BOOSTERS

- Horsepower: 150 – 600 HP
- Max. Discharge Pressure: 500 PSIG

Vector 6400 Series two-stage rotary screw compressors are a cost-effective option when high volumes of fuel gas are required at pressures up to 500 PSIG. The work is divided between two stages reducing the forces on the rotating elements and bearings.



VECTOR 5800 SERIES: ROTARY VANE FUEL GAS BOOSTERS

- Horsepower: 3 - 250 HP
- Max. Discharge Pressure: 50 PSIG

Vector 5800 Series fuel gas boosters are ideal for mid-range fuel pressures with air-cooled units suitable for discharge pressures up to 35 PSIG and water-cooled versions capable of pressure to 50 PSIG.



VECTOR 6700/7600 SERIES: HIGH PRESSURE FUEL GAS BOOSTERS

- Horsepower: 10 – 750 HP
- Max. Discharge Pressure: 1200 PSIG

Our reciprocating fuel gas booster compressors are available in single or multi-stage versions and are designed for applications requiring high-pressure gas.



VECTOR 5400 SERIES: REGENERATIVE GAS BOOSTERS

- Horsepower: 3 – 75 HP
- Max. Discharge Pressure: 13 PSIG

Vector 5400 Series regenerative gas blowers are designed to provide a continuous flow of gas at pressures up to 13 PSIG.



VECTOR 5500 SERIES: SIDE CHANNEL GAS BOOSTERS

- Horsepower: 2 – 25 HP
- Max. Discharge Pressure: 9 PSIG

Ideal for applications that require fuel gas at pressures in the 3 – 13 PSIG range our Vector 5400 and 5500 Series blowers utilize reliable side-channel regenerative blowers.



VECTOR 5700 SERIES: LOW PRESSURE CENTRIFUGAL FUEL GAS BOOSTER FANS

- Horsepower: 2 - 15 HP
- Max. Discharge Pressure: 2.25 PSIG

Vector 5700 Series Low Pressure centrifugal fans are designed for applications in which gas pressures need to be increased from near atmospheric up to 2.25 PSIG.



WHAT WE OFFER

EXPERIENCE – Our key personnel have over 100 years of combined experience. This experience and our wide range of product allows us to recommend the best technical solution and the most economical approach to your applications.

CUSTOM DESIGNED PACKAGES – As a provider of both standard and custom fabricated compressor systems, we have the expertise to design and supply the most cost-effective package for your starting air compression requirements. Our packages offer a clean, simple design that allows easy access for normal maintenance.

CADD DESIGN – We utilize a Computer Aided Design and Drafting (CADD) system, so we can provide you with a detailed look at your compressor package before it's manufactured.

FULL RANGE OF ELECTRICAL CLASSIFICATIONS – Compressor packages are available for unclassified, class 1, division 2 and class 1, division 1 explosion proof areas.

ELECTRIC MOTORS – are WEG brand Severe Duty, Premium Efficiency cast iron frame, TEFC electric motors with a 1.25 service factor up to 100 horsepower (1.15 SF over 100 HP). Inverter duty certified for 20:1 CT and 1000:1 VT.

ENGINEERED FOR MAXIMUM SAFETY – All packages are manufactured to ASME code as well as all provincial/state electrical code requirements. Pressure vessels are hydrostatically tested for complete user safety and equipped with approved ASME code safety relief valves.

TESTING –Each compressor or blower package undergoes a mechanical run test and detailed inspection process prior to shipping.

QUALITY CONTROL DOCUMENTATION – On completion, you are provided with detailed quality control documentation including material test reports (MTRs), hydro-test reports, x-ray certificates, welder qualifications, weld mapping, ASME U1A forms etc., ensuring safe equipment operation for years to come.

DETAILED PARTS & OPERATING MANUALS – Each compressor package manufactured by us comes with a set of in-depth parts and operating manuals, so you can clearly understand the operation and maintenance requirements of the equipment.

SHIPPING LOGISTICS – Whether you need a package to be shipped within Canada, across North America or overseas we can assist with final shipping arrangements to your site.



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